

### Abstract of the Disclosure

A lithium secondary battery includes a positive electrode active material which is composed mainly of Li and Mn and has a cubic spinel structure, the primary particles of the positive electrode active material having a substantially octahedral shape constituted mainly by flat crystal faces. In this lithium secondary battery, the morphology of the particles constituting the positive electrode active material is controlled; thereby, the resistance of the positive electrode active material and accordingly the internal resistance of the battery are lowered; as a result, discharge in large current has been made possible.

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